



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010556
CERTIFICATION DATE: October 17, 2013
DATE RECERTIFICATION DUE: April 15, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

Program Manager, Calibration & Training

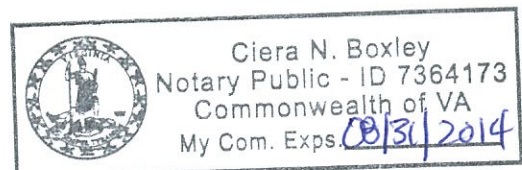
CITY OF RICHMOND

COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 25th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/18/2013

HMS
msk

Instrument Serial Number: 010556 **As of 18-Oct-13**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
17-Oct-13	17-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
13-May-13	13-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
28-Nov-12	28-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
06-Jun-12	06-Jun-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
13-Dec-11	13-Dec-11	HMS (18910)	CERTIFIED
05-Jul-11	05-Jul-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
25-Jan-11	25-Jan-11	HMS (18910)	CALIBRATED AND CERTIFIED.
10-Aug-10	10-Aug-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
02-Mar-10	02-Mar-10	HMS (18910)	CERTIFIED
25-Sep-09	25-Sep-09	HMS (18910)	CERTIFIED.
20-Apr-09	20-Apr-09	RJP (22428)	CERTIFIED.
16-Apr-09	16-Apr-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
11-Feb-09	11-Feb-09	DBH (21250)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

HMS
msk

Instrument Serial Number **010556** Worksheet Start Date **10/17/2013**

Location **Vienna Police Department**

Address **215 S. Center St., Vienna, VA 22180**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

E-Seek	Old serial no.	New serial no.	Supplies
Keyboard			Mouthpieces
Printer			Certificates of Analysis
UPS			Operator Worksheet
			Other:

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010556

Certification Date 10/17/2013

Instrument Barometer (mm HG) 748

Reference Barometer (mm HG) 749

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.243
0.250	0.246	0.238	0.253	Sample 2	0.243
Precision		sample min	sample max	Sample 3	0.242
0.001		0.242	0.243		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.147
0.150	0.147	0.142	0.151	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0		0.147	0.147		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG227501-27

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.098
0.100	0.098	0.095	0.101	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

DFS Technician

Heath M. Stach

Date

10/18/13

Issuing Analyst

Melissa Kennedy

Date

10/19/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS
msk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/17/2013
TEST EQUIPMENT NUMBER 010556		

RESULTS: TIME SAMPLE TAKEN 11:21 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

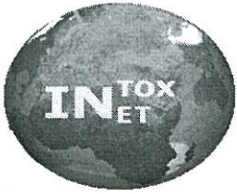
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 17 Oct 2013 at 11:43

Test Results

Signature
Date
Initials

Instrument Serial Number 010556

Test # 000471 Subject Test

Test Location 1 Department of
Test Date 17 Oct 2013

Test Location 2 Forensic Science
Test Time 11:15
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Oct 2013 End Time 11:22

Result Time 11:21

Result Date 17 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:15

Data Type BLK

Sample Value 0.000

Sample Time 11:16

Data Type CHK

Sample Value 0.101

Sample Time 11:17

Data Type BLK

Sample Value 0.000

Sample Time 11:18

Data Type SUBJ

Sample Value 0.000

Sample Time 11:19

Data Type BLK

Sample Value 0.000

Sample Time 11:20

Data Type SUBJ

Sample Value 0.000

Sample Time 11:21

Data Type BLK

Sample Value 0.000

Sample Time 11:22

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG227501-27

Standard Expiration Date 10/01/2014

Tank Pressure 875

Barometric Pressure 748 mmHg

Blow Sample Number 1 Blow Duration 3.57 sec

Blow Volume 1728 cc End-of-Blow Time 11:19

Blow Sample Number 2 Blow Duration 3.58 sec

Blow Volume 1695 cc End-of-Blow Time 11:21

Tamper Evident Stamp b7929a67

Test Status Code 0

Test Status Success

HMS

MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010556 Test Number: 472

Test Date: 10/17/2013 Test Time: 11:24 EDT

Dry Gas Target: 0.098

Lot Number: AG227501-27 Exp Date: 10/01/2014

Tank Pressure: 870 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:24
CHK	0.100	11:25
BLK	0.000	11:27
CHK	0.100	11:27
BLK	0.000	11:29
CHK	0.100	11:29

Test Status: *Success*

Calibration CRC: E49519C7

fms
msk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010556 Test Number: 473

Test Date: 10/17/2013 Test Time: 11:32 EDT

Dry Gas Target: 0.295

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 487 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:33
CHK	0.300	11:34
BLK	0.000	11:35
CHK	0.299	11:36
BLK	0.000	11:37
CHK	0.299	11:38

Test Status: Success

Calibration CRC: E49519C7

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010556

System Date: 10/17/2013

System Time: 12:00 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HHS
mk

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010556 Test Number: 474

Test Date: 10/17/2013 Test Time: 12:02 EDT

Dry Gas Target: 0.098

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 639 psi Barometric Pressure: 747 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:02
CAL	0.098	12:03

Test Status: *Success*

Calibration CRC: 81E670F0

HMS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010556 Test Number: 475
Test Date: 10/17/2013 Test Time: 12:05 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.246

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 507 psi Barometric Pressure: 747 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:06
BLK	0.000	12:07
CHK	0.243	12:07
BLK	0.000	12:09
CHK	0.243	12:09
BLK	0.000	12:11
CHK	0.242	12:12
BLK	0.000	12:13

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
MSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010556 Test Number: 476
Test Date: 10/17/2013 Test Time: 12:15 EDT

Technician Initials: HMS

Dry Gas Target: 0.147

Lot Number: 0771315013-01 Exp Date: 05/01/2015

Tank Pressure: 1056 psi Barometric Pressure: 747 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:15
BLK	0.000	12:16
CHK	0.147	12:17
BLK	0.000	12:18
CHK	0.147	12:19
BLK	0.000	12:20
CHK	0.147	12:21
BLK	0.000	12:22

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
PJK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010556 Test Number: 477

Test Date: 10/17/2013 Test Time: 12:25 EDT

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 75 psi Barometric Pressure: 747 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:25
BLK	0.000	12:26
CHK	0.079	12:27
BLK	0.000	12:28
CHK	0.079	12:29
BLK	0.000	12:30
CHK	0.079	12:31
BLK	0.000	12:32

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
msk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010556 Test Number: 478
Test Date: 10/17/2013 Test Time: 12:36 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 144 psi Barometric Pressure: 746 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:36
BLK	0.000	12:37
CHK	0.019	12:38
BLK	0.000	12:39
CHK	0.019	12:40
BLK	0.000	12:41
CHK	0.019	12:42
BLK	0.000	12:43

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

MS
MK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010556 Test Number: 479

Test Date: 10/17/2013 Test Time: 12:45 EDT

Dry Gas Target: 0.295

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 473 psi Barometric Pressure: 746 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:46
CHK	0.296	12:47
BLK	0.000	12:48
CHK	0.296	12:49
BLK	0.000	12:51
CHK	0.295	12:51

Test Status: *Success*

Calibration CRC: 81E670F0

Handwritten initials: "HSD" and "MSK"

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010556 Test Number: 480

Test Date: 10/17/2013 Test Time: 12:54 EDT

Dry Gas Target: 0.098

Lot Number: AG227501-27 Exp Date: 10/01/2014

Tank Pressure: 850 psi Barometric Pressure: 746 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:54
CHK	0.098	12:55
BLK	0.000	12:57
CHK	0.098	12:58
BLK	0.000	12:59
CHK	0.098	13:00

Test Status: *Success*

Calibration CRC: 81E670F0



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS
msk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/17/2013
TEST EQUIPMENT NUMBER 010556		

RESULTS: TIME SAMPLE TAKEN 13:08 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Oct 2013 at 08:30

AMS
Nest

Test Results

Instrument Serial Number 010556

Test # 000481 Subject Test

Test Location 1 Department of
Test Date 17 Oct 2013

Test Location 2 Forensic Science
Test Time 13:02
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

Effective Date 10/01/2012

License Number 18910

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Oct 2013 End Time 13:09

Result Time 13:08

Result Date 17 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:02

Data Type BLK

Sample Value 0.000

Sample Time 13:03

Data Type CHK

Sample Value 0.098

Sample Time 13:04

Data Type BLK

Sample Value 0.000

Sample Time 13:05

Data Type SUBJ

Sample Value 0.000

Sample Time 13:06

Data Type BLK

Sample Value 0.000

Sample Time 13:07

Data Type SUBJ

Sample Value 0.000

Sample Time 13:08

Data Type BLK

Sample Value 0.000

Sample Time 13:09

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG227501-27

Standard Expiration Date 10/01/2014

Tank Pressure 840

Barometric Pressure 746 mmHg

Blow Sample Number 1 Blow Duration 3.56 sec

Blow Volume 1705 cc

End-of-Blow Time 13:06

Blow Sample Number 2 Blow Duration 3.64 sec

Blow Volume 1739 cc

End-of-Blow Time 13:08

Tamper Evident Stamp be8acec5

Test Status Code 0

Test Status Success